|          |  | Index of Claims                       |           |          |          |                |          |                 |              |                |             |            |               |          |                  |                 |          |          |          |          |           |             |            |          | Reexamination |            |                 |                |         |              |          |             |          |           |   |    |   |
|----------|--|---------------------------------------|-----------|----------|----------|----------------|----------|-----------------|--------------|----------------|-------------|------------|---------------|----------|------------------|-----------------|----------|----------|----------|----------|-----------|-------------|------------|----------|---------------|------------|-----------------|----------------|---------|--------------|----------|-------------|----------|-----------|---|----|---|
|          |  |                                       |           |          |          |                |          |                 |              |                |             |            |               |          | 10/522,573       |                 |          |          |          |          |           |             |            |          |               |            |                 | <u>JC</u>      | HI      | ET           | A        | <u>L. '</u> |          |           |   |    |   |
|          |  |                                       |           |          |          |                |          |                 |              |                |             |            |               |          | Examiner         |                 |          |          |          |          |           |             |            |          | Art Unit      |            |                 |                |         |              | •        |             |          |           |   |    |   |
|          | - Tupus and and an |                                       |           |          |          |                |          |                 |              |                |             |            |               |          | Alan Diamond     |                 |          |          |          |          |           |             |            |          | 1753          |            |                 |                |         |              |          |             |          |           |   |    |   |
|          |  |                                       | _         | _        |          |                |          | 7               |              | _              | Τ-          |            |               |          | <u> </u>         |                 | <u>.</u> |          |          |          |           |             |            |          |               |            | <u> </u>        |                |         |              |          |             |          |           |   | •  | • |
|          |  | ✓ Rejected _ (Through numer Cancelled |           |          |          |                |          |                 |              |                |             | rai)       | )             |          | N                | Non-Elected     |          |          |          |          | A         | Appeal      |            |          |               |            |                 |                |         |              |          |             |          |           |   |    |   |
|          | <del>                                     </del>       |                                       |           |          |          |                |          |                 | $\vdash$     | ╀              | <del></del> |            | ance          | )11B     |                  |                 |          | 1        | 鬥        |          |           |             |            | $\dashv$ |               | H          | -               | _              |         |              | _        |             |          |           |   |    |   |
|          |  | = Allowed                             |           |          |          |                |          |                 |              | +              |             |            | Re            |          | _ I Interference |                 |          |          |          |          |           | 이           |            | Obj      | ecto          | ėđ         |                 |                |         |              |          |             |          |           |   |    |   |
| _        |  |                                       | <u></u>   | <u> </u> | <u>-</u> | _              | _        | ]<br>           |              | _              |             |            |               |          |                  |                 |          |          | )<br>_   | Ч        | <u> </u>  |             |            |          | _             | <u> </u>   | ш               |                |         |              | _        |             | !<br>    |           |   |    |   |
| Ţ        | Clal   |                                       | F         | _        | _        | _              | Dat      | <u>e</u>        | _            | _              | _           | ]          | C             | alm      |                  |                 |          |          | Dat      | 8        |           |             |            | E        | Cla           | aim        | Г,              | Date           |         |              |          | $\Box$      | l        | •         |   |    |   |
| 1        | Final  | lua                                   | g         | 1/0/07   | 1        |                |          |                 |              | <b> </b> .     |             |            | <sub>75</sub> | <u>F</u> |                  |                 |          |          |          |          |           | i           |            |          | Ē             | <u>s</u>   |                 |                |         |              |          |             |          | -         |   |    |   |
|          | <u>ii</u>  | Original                              | 2         | 10       | 1        |                |          |                 |              |                |             |            | Final         | Original |                  |                 |          |          |          |          |           | ·           |            |          | Flnal         | Ortginal   | 11              |                |         |              |          |             |          |           | · |    |   |
| ŀ        | -+   | ট                                     | 1         | -        |          | ╀              | ╁        | ╁               | ╁            | <del> </del> - | ╁           | ┨          | -             | 51       | ╁                | ╀               | ├        | ╀        | ╀        | H        | $\dashv$  | _           | H          | -        | $\dashv$      | 101        | ╂╌╂             | +              | +-      | ┼            | $\vdash$ | Н           | $\vdash$ | $\dashv$  |   |    |   |
|          | $\Box$   | 2                                     | V         | 7        | 1        | 匚              | 匚        | 匚               | 二            |                |             | 1          |               | 52       | 上                |                 | 匚        | 匚        |          | 口        |           |             |            |          |               | 102        | 口               | コ              | 工       |              |          |             | 口        | $\Box$    | ĺ |    |   |
| -        | $\dashv$   | 3                                     | ₹         | Y        | ├-       | -              | -        | ╁               | ╀            | ╄              | ╀           | ┨          | <u> </u>      | 53<br>54 | ┼                | ├-              | ⊬        | ╀        | $\vdash$ | H        | $\dashv$  | $\dashv$    | H          | -        | $\dashv$      | 103        | H               | +              | +       | +            | L        | $\sqcup$    | H        |           |   | •  |   |
| b        | 士  | 5                                     | 1         | マ        |          |                |          |                 |              |                | 上           | 1          |               | 55       | 士                | $\vdash$        |          | 世        |          |          | $\exists$ | 丁           |            | t        |               | 105        | 廿               | 士              | t       | +            |          | Н           | $\vdash$ | 亅         |   |    |   |
| F        | 7  | <u>@</u>                              | 1         | 1        | 匚        |                |          |                 | F            | F              | L           | 1          |               | 56       | F                |                 | 匚        |          | 匚        | П        | $\dashv$  | $\dashv$    | $\Box$     |          |               | 106        | 口               | 耳              | 工       | $\Box$       |          |             | $\Box$   | $\Box$    |   |    |   |
| H        | $\dashv$   | 7 8                                   | ¥         | 7        | $\vdash$ | H              | -        | $\vdash$        | ┢            | ╁              | ╆           | ┨          | $\vdash$      | 57<br>58 | $\vdash$         | ├               | $\vdash$ | $\vdash$ | $\vdash$ | Н        | $\dashv$  | $\dashv$    | H          | $\vdash$ | $\dashv$      | 107        | ╂╾╂             | +              | ╁       | +-           | -        | Н           | ┝╅       | $\dashv$  |   |    |   |
| ļ        | 二  | 9                                     | 1         | 7        |          |                | 口        |                 | 二            | 二              | 上           | 1          |               | 59       | 二                |                 | 匚        |          |          |          | コ         | $\Box$      |            |          |               | 109        | 口               | ユ              | 土       | 上            |          |             |          | コ         |   |    |   |
| -        |  | 10                                    | 7         | K        |          | ⊣              | $\vdash$ | -               | <del> </del> | -              | ╀           | ┤╵         | <u></u>       | 60       | $\vdash$         | $\vdash$        | L        | H        | $\Box$   | Н        | -         | -           | -          | -        | -             | 110<br>111 | $\Box$          | _              | $\mp$   | lacksquare   |          | $\square$   | $\Box$   | $\dashv$  |   | ٠. |   |
| t        | _  | 12                                    | Ľ         | -        |          |                |          | 世               | 一            | ╁              | 1           | 1 '        | -             | 62       | $\vdash$         | $\vdash$        | 一        | H        | $\vdash$ | H        | $\dashv$  | ヿ           | $\dashv$   | -        |               | 112        | $\vdash$        | +              | ╁       | ╁╌           | -        | H           | ┝╼╋      | ᅥ         |   |    |   |
| F        |  | 13                                    |           |          |          |                |          |                 |              | 二              |             | 1          |               | 63       | $\Box$           |                 |          |          |          | 口        | コ         | $\sqsupset$ | $\Box$     |          |               | 113        | 口               | 工              | 工       | 二            |          |             | 耳        |           |   |    |   |
| ┝        |  | 14<br>15                              | ┝         | H        | ⊢        | H              | $\vdash$ | ├               | <del> </del> | ├              | ╁           | ┤          | -             | 64<br>65 | ┼-               | $\vdash$        | ⊣        | $\vdash$ | H        | Н        | $\dashv$  | $\dashv$    | H          | -        |               | 114        | Н               | +              | +       | ╂            | Н        | Н           | $\dashv$ | $\dashv$  |   |    |   |
| Ė        |  | 16                                    | 世         |          |          |                | 亡        | Ľ               |              | 上              | 上           | <u> </u>   |               | 66       |                  |                 |          | 世        |          | 団        | $\exists$ | $\exists$   |            | E        | $\exists$     | 116        | $\Box$          | 1              | 士       | ╁            | $\vdash$ | H           | 士        | コ         |   |    |   |
| . [-     |  | 17                                    |           |          |          |                | Ŀ        |                 |              |                | L           | ]          |               | 67       |                  |                 | 匚        |          |          | $\Box$   | $\Box$    | $\sqsupset$ | $\Box$     |          | $\Box$        | 117        | 口               | $\blacksquare$ | 丰       | $\Box$       |          |             | 口        | $\exists$ |   |    |   |
| <b>-</b> |  | 18<br>19                              | ┢         | H        | H        | H              | $\vdash$ | ┦               | -            | 十              | +           | ┤          | -             | 68       | ₩                | H               | H        | Н        | Н        | Н        | $\dashv$  | -           | H          | $\vdash$ | $\dashv$      | 118        | $\vdash$        | +              | +       | ╂┤           | $\vdash$ | Н           | ┝╼╋      | $\dashv$  |   |    |   |
|          |  | 20                                    | $\Box$    |          |          |                |          |                 | 口            |                | 匚           | ] '        |               | 70       | 口                |                 | 匚        |          |          |          | コ         |             | <b>_</b> . | E        |               | 120        | 口               | 士              | 士       | $\Box$       |          |             |          | ゴ         |   |    | • |
| H        |  | 21<br>22                              | $\vdash$  | dash     | $\vdash$ | Ш              | $\vdash$ | $\vdash$        | $\vdash$     | -              | -           | ┨. ˈ       | <u> </u>      | 71       | $\sqsubseteq$    | Ц               |          |          |          |          | $\dashv$  | 4           | $\exists$  | L        |               | 121        | $\Box$          | $\dashv$       | 工       |              |          |             | $\Box$   | $\exists$ |   | ,  |   |
| E        |  | 23                                    | ۲         | H        | H        | H              | 닏        | H               | H            | ۲              | $\vdash$    |            | -             | 73       | ╁┤               | Н               | -        | Н        | Н        | H        | $\dashv$  | +           | $\dashv$   | $\vdash$ | -             | 122<br>123 |                 | +              | +-      | ╁┤           | H        | H           | $\vdash$ | ᅱ         |   |    |   |
| F        |  | 24                                    | $\Box$    |          |          |                |          | $\Box$          |              |                | $\Box$      | ] /        |               | 74       |                  |                 |          |          |          | $\Box$   | コ         | コ           | コ          |          | $\Box$        | 124        | 口               | 二              | 工       | 口            |          |             | $\Box$   | コ         |   |    | • |
| }        |  | 25<br>26                              | $\vdash$  | Н        | $\vdash$ | $\vdash$       | $\vdash$ | ⊬               | -            | ┦              |             | { '        | <b> </b>      | 75<br>76 | ╀┦               | Н               | $\vdash$ | Н        | Н        | $\vdash$ | $\dashv$  | $\dashv$    | $\dashv$   | $\vdash$ |               | 125<br>126 | $\vdash \vdash$ | +              | +       | Н            | H        | Н           | 4        | 4         |   |    |   |
|          |  | 27                                    | 世         |          |          |                |          | 世               | 口            | 世              |             | <b>j</b> ! |               | 77       | $\vdash$         |                 |          |          |          |          | $\exists$ | 士           | 7          |          |               | 127        | 一               | 士              | +       | ╁╌           |          |             | +        | ၂         | i | •  |   |
| · F      |  | 28                                    | $\square$ | П        | П        | $\Box$         |          |                 |              | $\Box$         | $\Box$      |            |               | 78       | $\Box$           |                 |          |          | $\Box$   | $\Box$   | $\exists$ | コ           | $\exists$  | F        | $\Box$        | 128        | 口               | 7              | 工       | $\Box$       |          | $\Box$      | $\Box$   | $\exists$ |   |    |   |
| H        |  | 29<br>30                              | $\vdash$  | H        | Н        |                | $\vdash$ | $\vdash$        | H            | H              | -           | {          | <del> </del>  | 79<br>80 | ┦┦               | Н               | -        | $\vdash$ | Н        | $\vdash$ | +         | $\dashv$    | $\dashv$   | -        | $\dashv$      | 129<br>130 | $\vdash \vdash$ | +              | +       | ╂╌┤          | H        | H           | +        | ᅱ         |   |    |   |
| F        |  | 31                                    |           |          |          |                |          |                 |              | $\Box$         |             | ] !        |               | 81       | 口                |                 |          |          |          |          | コ         | コ           | コ          |          | $\exists$     | 131        | 口               | 士              | 土       | $\Box$       |          |             | 士        | コ         |   |    |   |
| H        | +  | 32<br>33                              | $\vdash$  | Н        | Н        | $\vdash$       | Ш        | $\vdash$        |              | $\vdash$       | -           | <b>∤</b> ! | <u> </u>      | 82<br>83 | $\sqcup$         |                 | Щ        | Н        | H        | -        | 4         | 4           | $\exists$  | -        | _             | 132<br>133 |                 | 1              | 1       |              | $\Box$   |             | $\dashv$ | 긕         |   |    |   |
| E        |  | 34                                    |           |          |          |                |          | H               | H            | H              | ٢           | 1          | <b></b> '     | 84       | H                | H               | Н        | H        | Н        | $\vdash$ | +         | $\dashv$    | $\dashv$   | $\vdash$ | ┧             | 134        | $\vdash$        | +              | +-      | H            | $\vdash$ | $\vdash$    | +        | $\dashv$  |   |    |   |
| F        | $\Box$   | 35                                    |           |          | $\Box$   | $\Box$         |          |                 |              | $\Box$         | $\Box$      |            |               | 85       |                  |                 |          |          |          | I        | 7         | コ           | $\Box$     |          | $\Box$        | 135        | 口               | 工              | 工       | 口            |          |             | コ        | コ         |   |    |   |
| -        |  | 36<br>37                              | H         |          | Н        | H              | Н        | $\vdash \vdash$ | H            | $\vdash$       | ⊣           | 1          | <b>/</b>      | 86<br>87 | $\vdash$         | $\vdash$        | Н        | Н        | Н        | H        | +         | +           | $\dashv$   | $\vdash$ | $\dashv$      | 136<br>137 | $\vdash$        | +              | +       | ╀┤           | -        |             | +        | $\dashv$  |   |    |   |
|          |  | 38                                    |           |          |          |                |          |                 |              | $\Box$         |             | 1          |               | 88       |                  |                 |          |          |          | コ        | $\exists$ | 士           | ゴ          | E        |               | 138        | 口               | 士              | 士       | $\mathbf{t}$ |          |             | $\top$   | 丁         |   |    |   |
| F        |  | 39<br>40                              | Ш         | Н        | Н        | $\overline{H}$ |          | $\square$       | $\square$    |                |             | 1 1        |               | 89       | $\Box$           | П               |          | $\Box$   |          | $\dashv$ | 4         | $\exists$   | $\Box$     | L        |               | 139        | 口               | 丁              | 工       | $\Box$       | $\Box$   |             | 耳        | 4         |   |    |   |
|          |  | 41                                    | H         |          |          | $\dashv$       | $\Box$   |                 | H            | $\vdash$       | $\vdash$    | 1          | $\vdash$      | 90       | H                | H               |          | H        | $\dashv$ | $\dashv$ | $\dashv$  | +           | $\dashv$   | -        |               | 140        | $\vdash$        | +              | ╫       | ╂┤           | $\vdash$ | +           | +        | $\dashv$  |   |    |   |
| L        |  | 42                                    | $\Box$    |          | $\Box$   |                | 口        | 口               |              | $\Box$         |             | 1 1        |               | 92       |                  |                 |          |          | $\Box$   | コ        | コ         | コ           | コ          |          |               | 142        | 口               | 丰              | 二       |              |          |             | ユ        | ゴ         |   |    |   |
| H        |  | 43<br>44                              | H         | $\dashv$ | $\dashv$ | -              | $\vdash$ | H               | H            | H              | Ш           | 1          |               | 93<br>94 | $\vdash$         | $\vdash$        | $\vdash$ | Н        | -        | $\dashv$ | +         | +           | $\dashv$   | -        |               | 143        | -               | +              | +       | ╀┤           | H        | -           | +        | 4         |   |    |   |
| E        | ·  | 45                                    | 口         | コ        | ╛        |                | ╛        | 口               |              | 口              |             |            |               | 95       |                  |                 |          |          | ╛        | 士        | 士         | $\pm$       | <b>」</b>   | Ė        |               | 145        |                 | 士              | $\pm$   | ╀┤           | $\vdash$ | $\dashv$    | 十        | ┪         |   |    |   |
| -        | _  | 46                                    | Н         |          | $\dashv$ | $\dashv$       | $\dashv$ | Н               | ႕            | Ш              | $\sqcup$    |            |               | 96       |                  | Ш               | Ц        | Н        | $\Box$   | $\dashv$ | $\dashv$  | 4           | $\exists$  |          |               | 146        | $\dashv$        | 工              | 工       | $\Box$       | $\Box$   | $\dashv$    | 耳        | コ         |   |    |   |
| H        |  | 47<br>48                              | H         | 7        | $\dashv$ | $\dashv$       | $\vdash$ | $\vdash$        | H            | $\vdash$       | Н           |            |               | 97<br>98 | $\vdash$         | $\vdash \vdash$ | $\dashv$ | $\vdash$ | $\dashv$ | +        | +         | +           | $\dashv$   | $\vdash$ |               | 147        | $\vdash$        | +              | +-      | ┦            | $\dashv$ | $\dashv$    | +        | $\dashv$  |   |    |   |
| F        |  | 49                                    |           | $\Box$   | 口        | 口              | 口        | 口               |              |                |             | 1          |               | 99       | 口                |                 |          |          | $\Box$   | $\Box$   | コ         | コ           | ゴ          |          |               | 149        |                 | 士              | 士       |              |          |             | 士        |           |   |    |   |
| Ŀ        | ــــــــــــــــــــــــــــــــــــــ                 | 50                                    | ك         | ┙        | $\Box$   |                | ш        | لــــا          | لب           | لـــا          | ليا         | j          | ل             | 100      | لنا              | Ш               |          | Ш        |          | $\Box$   |           |             |            | L        | $\perp$       | 150        | $\Box$          | $\perp$        | $\perp$ |              |          | $\Box$      | $\Box$   |           |   |    |   |

Application/Control No.

Applicant(s)/Patent under